QLENS

Revolutionising Energy Performance Monitoring with QLens

At QLens, we are powering a sustainable future through innovation, efficiency, and unwavering reliability, seeing watt matters most. Together, we can transform energy management, one watt at a time.

infinix ENERGY MANAGEMENT SYSTEMS

WHITEPAPER

QLENS

IN AN ERA WHERE ENERGY EFFICIENCY AND SUSTAINABILITY ARE PARAMOUNT, BUSINESSES ARE INCREASINGLY LOOKING FOR WAYS TO OPTIMISE THEIR ENERGY USAGE.

QLens, developed by Infinix, is a state-of-the-art energy performance monitoring solution designed to provide comprehensive insights into energy consumption and power quality.

This whitepaper explores how QLens can help businesses achieve significant cost savings, improve operational efficiency, and support sustainability goals.

> SEE WATT MATTERS MOST

THE NEED FOR ADVANCED ENERGY MONITORING

- FINANCIAL
- OPERATIONAL
- ENVIRONMENTAL
- REGULATORY

KEY CHALLENGES:

- **Rising Energy Costs:** Increasing energy prices put pressure on operational budgets.
- **Operational Inefficiencies:** Inefficient energy usage leads to higher costs and reduced productivity.
- **Environmental Impact:** Excessive energy consumption contributes to environmental degradation and higher carbon footprints.
- **Regulatory Compliance:** Businesses must comply with stringent energy regulations and standards.

QLens is an advanced energy performance monitoring tool that provides real-time data visualisation and tracking of energy consumption.

Key Features:

- **Real-Time Data Visualisation:** QLens offers up-to-the-minute insights into energy consumption patterns.
- **Detailed Analytics and Reporting:** Provides comprehensive reports and benchmarking statistics to help businesses understand their energy performance.
- **Proactive Alerts:** Notifies users of potential issues, allowing for timely intervention and preventive maintenance.
- **Seamless Integration:** Easily integrates with existing energy systems, ensuring a smooth transition and enhanced functionality.

COMPREHENSIVE SOLUTIONS

HOW QLENS WORKS:

- **Data Collection:** QLens collects data from various points across the electrical network, including main distribution boards, sub-distribution boards, and critical equipment.
- **Data Processing:** The collected data is processed in real-time, providing detailed insights into energy consumption, power quality, and system performance.
- **Visualisation and Reporting:** QLens features a user-friendly dashboard that displays key metrics and trends. Users can generate detailed reports to analyse performance and identify areas for improvement.
- **Alerts and Notifications:** QLens offers customisable alerts that notify users of any anomalies or potential issues, enabling prompt action to mitigate risks.

BENEFITS OF USING QLENS

- FINANCIAL
- OPERATIONAL
- ENVIRONMENTAL
- SCALABLE

COST SAVINGS:

- **Reduced Energy Bills:** By identifying and addressing inefficiencies, businesses can significantly lower their energy costs.
- **Maintenance Cost Reduction:** Proactive monitoring and alerts reduce the need for emergency maintenance and extend equipment lifespan.

OPERATIONAL EFFICIENCY:

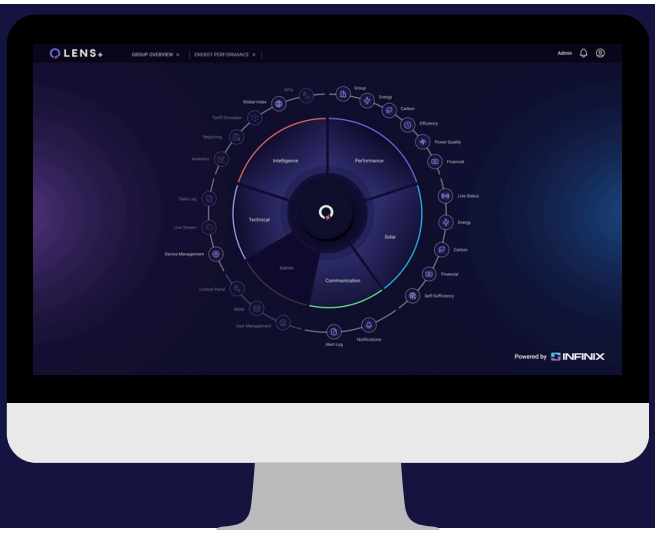
- **Enhanced Performance:** Continuous monitoring ensures that equipment operates at optimal efficiency.
- **Reduced Downtime:** Early detection of issues prevents unexpected failures and operational disruptions.

SUSTAINABILITY:

- **Lower Carbon Footprint:** Optimised energy usage contributes to reduced greenhouse gas emissions.
- **Regulatory Compliance:** Helps businesses comply with energy regulations and standards, avoiding potential fines and penalties.

SCALABILITY AND FLEXIBILITY:

- **Customisable Solutions:** QLens can be tailored to meet the specific needs of different industries and applications.
- **Scalable Architecture: Suitable for small facilities to large industrial complexes.**



MANUFACTURING FACILITY IMPLEMENTATION & CASE STUDY

CHALLENGE

SOLUTION

RESULTS

CASE STUDY 1:

MANUFACTURING FACILITY IN DIBBA, UNITED ARAB EMIRATES

CHALLENGE:
High energy consumption and frequent equipment failures.

SOLUTION:
Implemented QLens to monitor energy usage and power quality.

RESULTS:
Achieved a 20% reduction in energy costs and improved equipment reliability

IMPLEMENTATION PROCESS

- **Assessment:** Conduct an initial site assessment to identify key monitoring points and establish baselines.
- **Installation:** Install QLens devices at strategic locations across the site to ensure comprehensive coverage.
- **Configuration:** Configure the QLens system to tailor it to the specific needs of the facility, including setting up alerts and reporting parameters.
- **Training and Support:** Provide training to facility managers and staff to ensure they can effectively use QLens. Offer ongoing support and maintenance to ensure optimal performance of the system.

COMMERCIAL BUILDING IMPLEMENTATION & CASE STUDY

CHALLENGE

SOLUTION

RESULTS

CASE STUDY 2:

COMMERCIAL BUILDING IN DUBAI, UNITED ARAB EMIRATES

CHALLENGE:
Inefficient energy usage and high operational costs.

SOLUTION:
Deployed QLens for real-time monitoring and data analysis.

RESULTS:
Reduced energy consumption by 15% and enhanced overall building performance.

Revolutionising Energy Performance Monitoring with QLens

QLens by Infinix is a powerful tool that revolutionises energy performance monitoring. By providing real-time insights, detailed analytics, and proactive alerts, QLens helps businesses optimise their energy usage, reduce costs, and enhance operational efficiency. As businesses strive to meet the challenges of rising energy costs and environmental sustainability, QLens offers a robust solution to achieve these goals.

LENS

For more information, visit Infinix's website or contact our sales team at info@infinixenergy.com.

infinix
ENERGY MANAGEMENT SYSTEMS